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COMMISSIONER FOR PATENTS  
Mail Stop Patent Application  
PO Box 1450  
Alexandria, Virginia 22313-1450

DOCKET NUMBER: AUS920030044US1  
DATE: 8-21-03

Sir:

Assignee Name: International Business Machines Corp.  
Assignee Residence: Armonk, New York

Transmitted herewith for filing is the Patent Application of:

Inventors: **Mark Allen Grubbs**  
**Gerald Francis McBrearty**

For: **Method for Generating Sparse Logical Volume Mirrors Within Data Storage Systems**

Enclosed are:

- Patent Specification
- Drawings - Seven (7) sheet(s)
- Declaration and Power of Attorney
- An assignment of the invention to International Business Machines Corporation (including Recordation Form Cover Sheet).
- Return Postcard
- A certified copy of a \_\_\_\_\_ application.
- Information Disclosure Statement, PTO 1449 and copies of references.

03942 U.S. PTO  
10/645041  
08/21/03

The filing fee has been calculated as shown below:

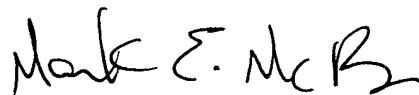
| For                                | Number Filed | Number Extra | Rate          | Fee      |
|------------------------------------|--------------|--------------|---------------|----------|
| Basic Fee                          | 1            |              |               | \$750.00 |
| Total Claims                       | 15           | 20           | 0 X \$18.00 = | \$       |
| Indep. Claims                      | 4            | 3            | 1 X \$84.00 = | \$84.00  |
| MULTIPLE DEPENDENT CLAIM PRESENTED |              | 0            | X \$280.00 =  | \$       |

TOTAL \$834.00

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The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to IBM Corporation Deposit Account 09-0447. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



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